

**FIGURE 1**

Clone LR4: hLH/CG Receptor Fusion with Thioredoxin Gene in pET32 Vector

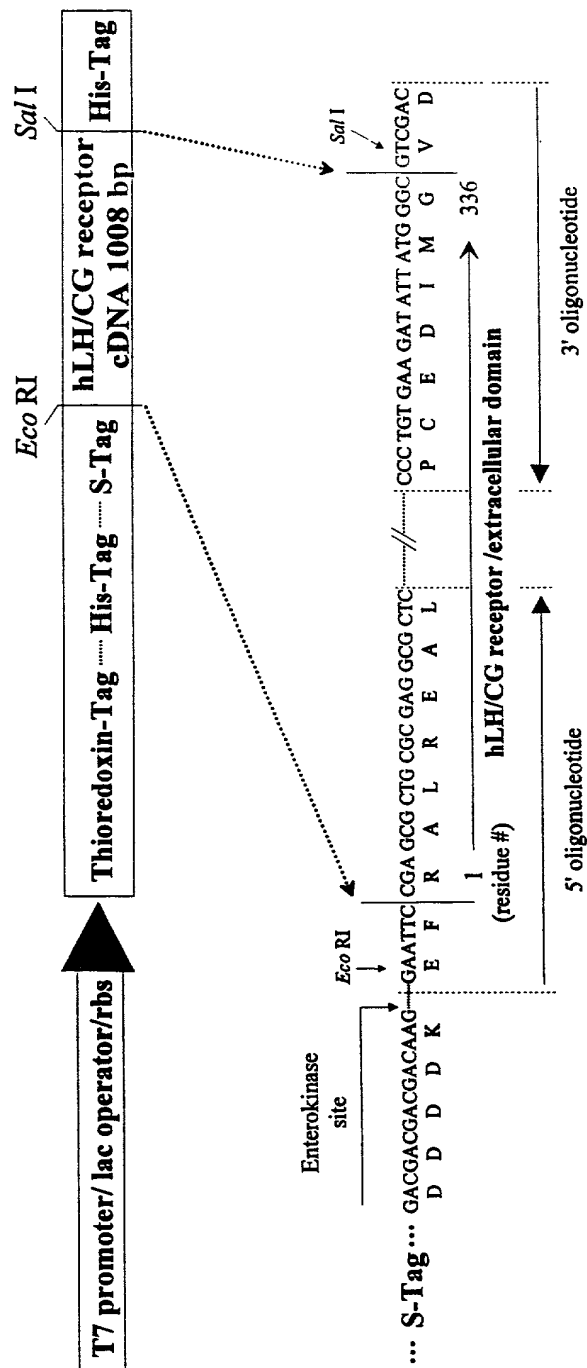
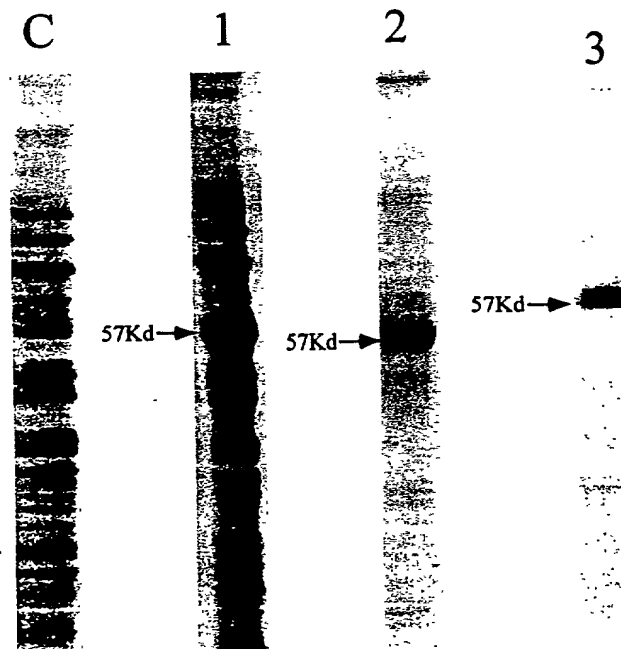


FIGURE 2

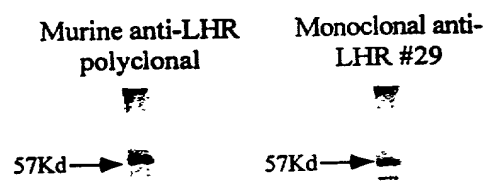
Non-reducing protein gels

Panel A



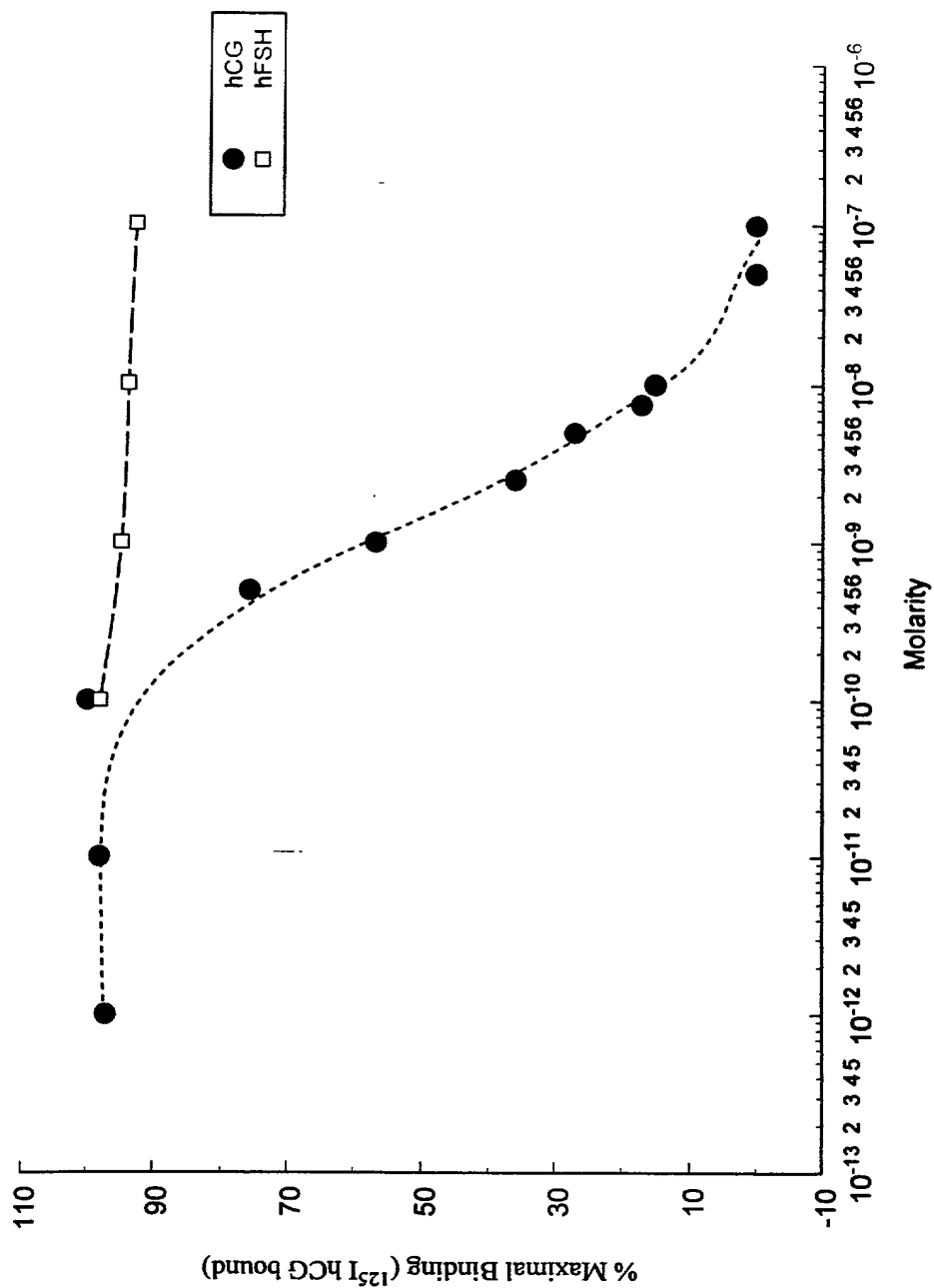
Western blots

Panel B



**FIGURE 3**

Affinity of hLH/CG receptor fusion protein



## FIGURE 4

Effect of anti-hCG monoclonal antibodies  
on hCG binding to receptor fusion protein

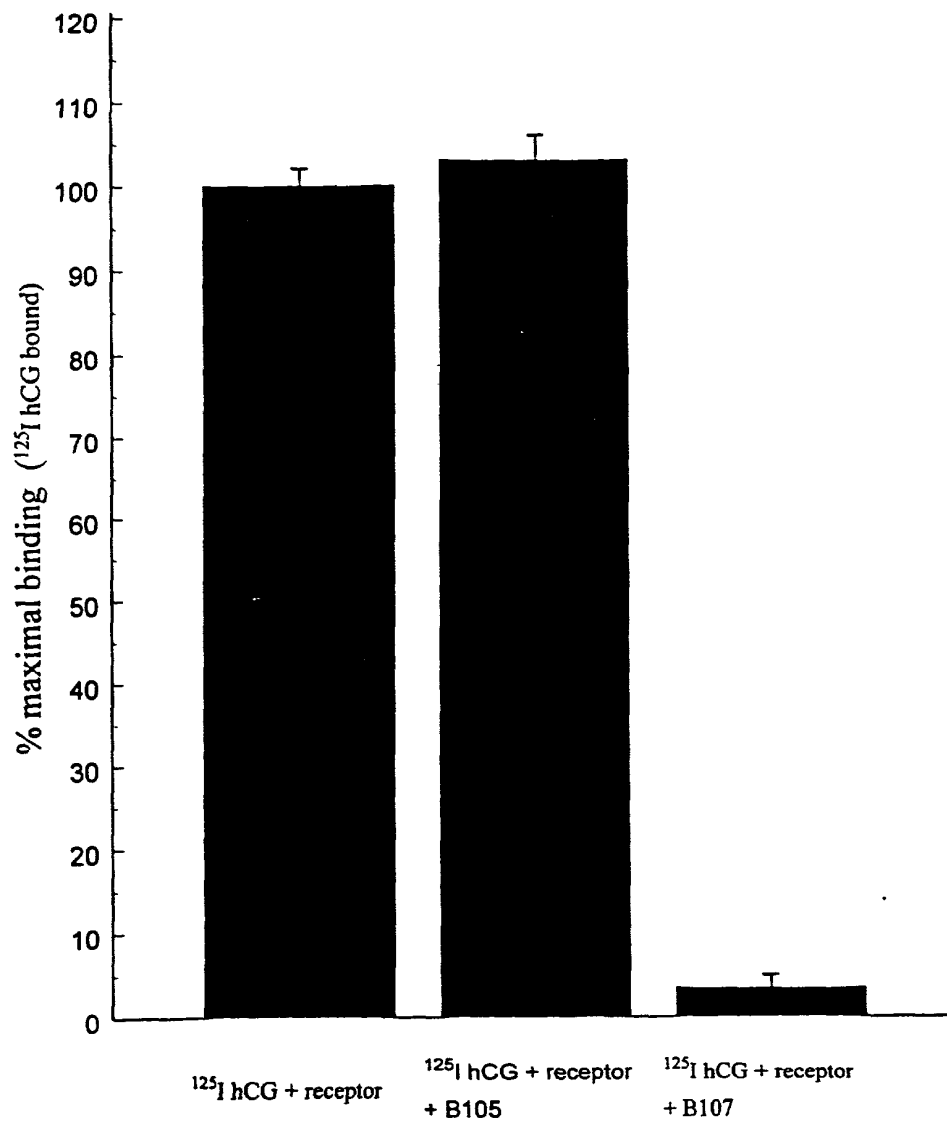
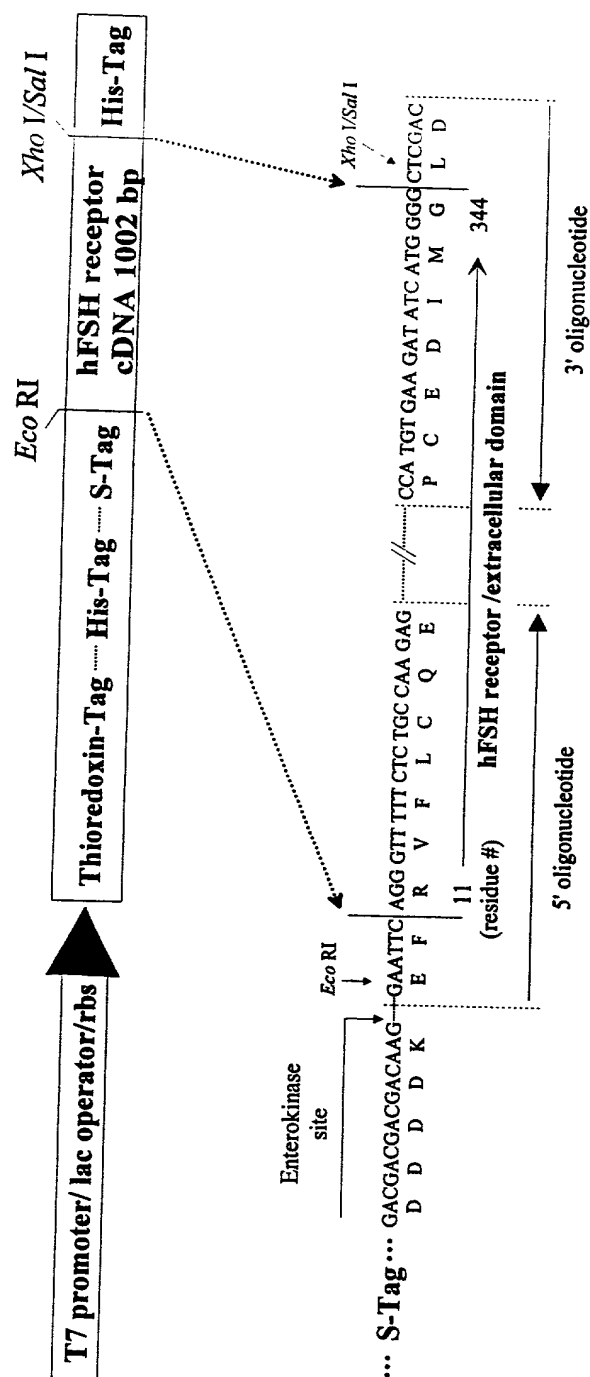


FIGURE 5

# hFSH Receptor Fusion with Thioredoxin Gene in pET32 Vector



## Figure 6A

1 atgagcgataaaaattattcacctgactgac  
 31 gacagttttgacacggatgtactcaaagcg  
 61 gacggggcgatcctcgtcgatttctgggca  
 91 gagtgggtgcggtccgtgcaaaatgatcgcc  
 121 ccgattctggatgaaatcgctgacgaatat  
 151 cagggcaaaactgaccgttgcaaaactgaac  
 181 atcgatcaaaaaccctggcactgcgccgaaa  
 211 tatggcatccgtgggtatcccgaactctgctg  
 241 ctgttcaaaaacgggtgaagtggcggaacc  
 271 aaagtgggtgcactgtctaaagggtcagttg  
 301 aaagagttcctcgacgctaacctggccggt  
 331 tctggttctggccatatgcaccatcatcat  
 361 catcattcttctggtctggtgccacgcggt  
 391 tctggtatgaaagaaaccgctgtgtctaaa  
 421 ttcgaacgccagcacatggacagcccagat  
 451 ctgggtaccgacgacgacgacaaggccatg  
 481 gctgatatcggtatccgaattcaggggtttt  
 511 ctctgccaaagagagcaagggtgacagagatt  
 541 cttctgacctcccagggaatgccattgaa  
 571 ctgaggtttgtctcaccagcttcgagtc  
 601 atccaaaaagggtgcatttccaggatttggg  
 631 gacctggagaaaatagagatctctcagaat  
 661 gatgtcttggagggtgatagaggcagatgtg  
 691 ttctccaaccttcccaaattacatgaaatt  
 721 agaattgaaaaggccaacaacctgctctac  
 751 atcacccttgaggccttccagaaccttccc  
 781 aaccttcaatatctgttaatatccaacaca  
 811 ggtattaagcaccttccagatgttcacaag  
 841 attcattctctccaaaagggttttacttgac  
 871 attcaagataacataaaacatccacacaatt  
 901 gaaagaaattcttctggtgggctgagcttt  
 931 gaaagtgtgattctatggctgaataagaat  
 961 gggattcaagaaatacacaactgtgcattc  
 991 aatggaaaccaactagatgcagtgaatcta  
 1021 agcgataataataatttagaagaattgcct  
 1051 aatgatgttttccacggagcctctggacca  
 1081 gtcattctagatatttcaagaacaaggatc  
 1111 cattccctgcctagctatggccttagaaaat  
 1141 cttaagaagctgagggccaggctcgacttac  
 1171 aacttaaaaaagctgcctactctggaaaag  
 1201 cttgtcgccctcatggaagccagcctcacc  
 1231 tatcccagccattgctgtgcctttgcaaac  
 1261 tggagacggcaaatctctgagcttcatcca  
 1291 atttgcaacaaatctattttaaggcaagaa  
 1321 gttgattatatgactcaggctagggggtcag  
 1351 agatcctctctggcagaagacaatgagtc  
 1381 agctacagcagaggatttgacatgacgtac  
 1411 actgagtttgactatgacttatgcaatgaa  
 1441 gtggttgacgtgacctgctcccctaagcca  
 1471 gatgcattcaacccatgtgaagatatcatg  
 1501 ggggtcgacaagcttgccggccgactcgag  
 1531 caccaccaccaccaccactga

**Figure 6B**

1 MSDKIIHLTDDSFDTDVLKADGAILVDFWA  
31 EWCGPCKMIAPILDEIADEYQGKLTVAKLN  
61 IDQNPGTAPKYGIRGIPTLLLFKNGEVAAT  
91 KVGALSKGQLKEFLDANLAGSGSGHMH  
121 HHSSGLVPRGSGMKETA  
151 LGTDDDDKAMADIGSEFRVFLCQESKVTEI  
181 PSDLPRNAIELRFVLTKLRVIQKGAFSGFG  
211 DLEKIEISQNDVLEVIEADVFSNLPKLHEI  
241 RIEKANNLLYITPEAFQNLPNLQYLLISNT  
271 GIKHLPDVHKKIHS  
301 ERNSFVGLSFESVILWLNKNGIQEIHNCAF  
331 NGTQLDAVNLS  
361 VILDISRTRIHS  
391 NLKKLPTLEKLVALMEASLTYP  
421 WRRQISELHPICNKSILRQEV  
451 RSSLAEDNESSYSR  
481 VVDVTCSPKPD  
511 HHHHHH\*

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1 MSDKIIHLTDDSFDTDLVLKADGAILVDFWA  
31 EWCGPCKMIAPILDEIADEYQGKLTVAKLN  
61 IDQNPGTAPKYGIRGIPTLLLLFKNGEVAAT  
91 KVGALSKGQLKEFLDANLAGSGSGHMH  
121 HHSSGLVPRGSGMKETAAAKFERQHMDSPD  
151 LGTDDDDKAMADIGSEFRALREALCPEPCN  
181 CVPDGDALRCPGPTAGLTRLSLAYLPVKVIP  
211 SQAFRGLNEVIKIEISQIDSLERIEANAFD  
241 NLLNLSEILIQNTKNLRYIEPGAFINLPR  
271 KYLSICNTGIRKFPDVTKVFSSESFILEI  
301 CDN LHITIPGNAFQGMNNE SVTLKLYGNG  
331 FEEVQSHAFNGTTLTSL ELKENVHLEKMHN  
361 GAFRGATGPKTLDISSTKLQALPSYGLESI  
391 QRLIATSSYSLKKLQPSRET FVNLL EATLT  
421 PSHCCAFRNLP TKEQNFHSISENFSKQCE  
451 STVRKVNNKTLTYSSMLAESISESGWDY EYGF  
481 CLPKTPRCAPEPDAFNPCEDIMGVDKLAAA  
511 LEHHHHHHH\*